Thursday, 13 June

8:00 – 8:30	Registration
8:30 – 8:45	**Welcome and Introduction:** - Tina Iachini, scientific committee - Luigi Trojano, director of the Department of Psychology, University of Campania Vanvitelli
8:45 – 9:30	Special Lecture by Michel Denis "**Space in life, space in film**" *Introduced by Francesca Pazzaglia*
9:30 – 10:45	Symposium: **Understanding the affective dimension of social interactions in real and virtual spaces** Convenor: **Michela Candini** ·**Ivan Patané, Michela Candini, Clément Desoche, Alessandro Farne, Fadila Hadj-Bouziane, Caterina Bertini, Elisa Ciaramelli, Giuseppe di Pellegrino:** The effects of emotion imitation on personal space regulation ·**Georgios Michalareas:** Effect of Psycopathy on the perception of Interpersonal Distance ·**Martina Fusaro, Maddalena Beccherle, Valentina Moro, Salvatore Aglioti:** Exploring social touch perception in fibromyalgia and endometriosis: Insights from virtual reality ·**Bianca Monachesi:** The effects of sexual objectification on own body attention, emotional response, and interpersonal interaction
10:45 -11:30	**coffee break + poster session 1** (Mental imagery, environment, well-being and emotions)
11:30 – 12:30	Keynote 1 (**Alessandro Farnè**, ImpAct Team, Lyon Neuroscience Research Centre, France) **Humans embody tools to use them like hands. How's that?** *Introduced by Valerie Gyselink*
12:30 – 13:15	**Session 1: Peripersonal and interpersonal space** *Chair: Gennaro Ruggiero* ·**Lucie Lenglart, Clemence Roger, Adriana Sampaio, Yann Coello:** Self-advantage in the processing of objects in peripersonal space

	·Lauren Buck, Mauricio Flores-Vargas, Rachel McDonnell: The role of spatial audio fidelity in the mediation of interpersonal and peripersonal space in immersive virtual reality **·Antonella Ferrara, Claudio Brozzoli, Clément Desoche, Romeo Salemme, Tina Iachini, Alessandro Farnè, Gennaro Ruggiero:** How a tool or an elongated virtual arm influence space and body representations
13:15 – 14:30	**Lunch Time: Welcome Drink & Lunch**
14:30 – 16:15	Symposium: **Visual-Spatial Imagery Across Real-World Contexts: Insights into Spatial Updating, STEM Learning, Artistic Performance, and Neurological Disorders** Convenors: **Maria Kozhevnikov, Laura Piccardi** **·Gaspare Galati:** Decoding the contents and spatial topography of mental images in high-level visual cortex **·Maria Kozhevnikov, Laura Piccardi, Alessandro Von Gal, Sylvia Tan Zi Han, Andrea-René Angeramo:** Exploring object visualization abilities in artistic domains: The role of color, shape, and texture visualization **·Mary Hegarty:** The contributions of visual-spatial imagery to learning organic chemistry **·Christodoula Gabriel, Adamantini Chatzipanagioti, Alexia Galati, Marios Avraamides:** Teleporting impairs scene recognition in virtual environments **·Alastair Smith:** Using drawing tasks to probe visuospatial memory in disorders of perception and action **·Fabrizia D'Antonio, Laura Piccardi:** Visual mental imagery and visual hallucinations
16:15 – 17	**coffee break + poster session 2** (Maps, spatial memory, multisensory signals, interpersonal space and neural bases)
17 – 17:45	**Session 2: Navigation and spatial maps** *Chair: Ineke van der Ham* · **Hatice Dedetas Satir, Stefan Münze**r: Minimizing the influence of cognitive ability facets in map-based route learning via instructional interventions · **Simon Lhuillier, Alain L'Hostis, Valérie Gyselinck:** How do different map formats influence the perception of space-time and route choices on a geographical scale? · **Jakub Krukar, Ahmed Aly, Angela Schwering:** Analysing 3D sketch maps

Friday, 14 June

8:30 – 9:30	**Session 3: Spatial reasoning and construction** *Chair: Boris Suchan* · **David Pearson, Vebjørn Ekroll:** Heuristic-based errors during intuitive spatial reasoning · **Isa Zappullo, Anna Lauro, Roberta Cecere, Massimiliano Conson:** The effect of motor simulation on spatial construction ·**Spencer Talbot, Patricia Kanngiesser, Alastair D. Smith:** Hide and Seek: The influence of role and mentalising on exploratory behaviour · **Inès Djelloul-Daouadji, Mathis Prost, Elise Grison, Aurélie Dommes:** Should I stay or should I go? Guiding decision making at railway crossings
9:30 – 10:15	Special Lecture by Robert H. Logie "**Visual working memory: Diverse assumptions, testing methods, and participant strategies**" *Introduced by Tina Iachini*
10:15 – 11:15	**Session 4: Memory mechanisms** *Chair: Robert H. Logie* · **Elena Carbone, Irene C. Mammarella, Erika Borella:** Training visuo-spatial working memory in healthy older adults with immersive and tablet-based tasks: preliminary results · **Andria Shimi:** Attentional selection, suppression and visual working development · **Nicola Matteucci, Alessandro Von Gal, Valentina Di Maria, Laura Piccardi, Maria Kozhevnikov, Raffaella Nori:** False navigational memories: The influence of semantic traces and meta-memory · **Federica Santacroce, Annalisa Tosoni, Davide Di Censo, Carlo Sestieri, Giorgia Committeri:** Generalization from episodic experience to semantic knowledge through the extraction of objective regularities
11:15– 11:45	**coffee break**
11:45 – 13	Symposium: **"Lights and Shadows in the Intersection of Technologies and Navigation Abilities"** Convenors: **Veronica Muffato, Laura Miola**

	·**Valérie Gyselinck, Simone Morgagni, Virginie Van Wassenhove:** Temporal and spatial cognition in the wild: how technologies affect our representations? · **Toru Ishikawa:** Human sense of orientation: Where does the use of mobile navigation tools lead us? ·**Laura Miola, Veronica Muffato, Enrico Sella, Chiara Meneghetti, Francesca Pazzaglia:** Is GPS use associated with our navigation skills? A systematic review and meta-analysis · **Ineke van der Ham:** Cognitive performance in immersive technology
13 – 14:15	Lunch Time
14:15 – 15:15	**Keynote 2** (Mary Hegarty, Department of Psychological & Brain Sciences, UC Santa Barbara, USA) **Individual Differences in Navigation** *Introduced by Chiara Meneghetti*
15:15 – 16:15	**Session 5: Mental imagery** *Chair: Michel Denis* · **Joanna M. Smieja, Tomasz Zaleskiewicz, Agata Gasiorowska:** Mental imagery shapes emotions in people's decisions related to risk taking · **Dagmara Budnik-Przybylska, Karol Nędza, Karol Karasiewicz:** Imagery questionnaire in different time perspectives-psychometric data of the tool · **Dina van Well, Sharon Geva:** Enhanced vividness of imagery in aphantasia after exposure to multi-modal stimuli · **Nadja Schott, Tobias Feiner, Soo-Yong Park:** Neural correlates of task proceduralization and motor simulation in "good" and "poor" motor imagers. A functional near-infrared spectroscopy study (fNIRS)
16:15	**Excursion + social dinner**

Saturday, 15 June

8:30 - 8:45	**Greetings and remarks on new technologies** -Luigi Maffei, Pro-Rector for Technological Innovation, University of Campania Vanvitelli *Introduced by Tina Iachini*
8:45 – 9:30	**Session 6: Clinical perspectives** *Chair: Giorgia Committeri* · **Ineke van der Ham, Midas M. Stöfsel, Martine J.E. van Zandvoort:** Developmental topographical disorientation: further theoretical framing and a possible link to aphantasia · **Boris Suchan:** Preventing dementia using go4cognition · **Diletta Decarolis, Loreta Cannito, Tiziana Quarto, Paola Palladino:** Virtual reality to assess episodic memory in AD and aMCI patients: The role of emotional variables
9:30 – 10:30	**Keynote 3** (Anna Christina Nobre, Department of Psychology, Yale University, USA) **The internal focus of attention** *Introduced by Tina Iachini*
10:30 – 11:30	**Session 7: Body, perspective taking and social mechanisms** *Chair: David Pearson* · **Alexandra de Lagarde, Fabien Boucaud, Louise P. Kirsch, Indira Thouvenin, Catherine Pelachaud, Malika Auvray:** Paving the way for social touch sonification: Behavioral studies and applications in virtual reality · **Malika Auvray, Alexandra de Lagarde, Chiara Baiano, Louise Kirsch, Xavier Job, Gabriel Arnold:** Taking my perspective or yours? The influence of personality traits, psychopathological traits, and interoceptive abilities · **Yuan He, Rachel McDonnell :** Body swapping in virtual reality: reshaping boundaries between self and others to enhance interpersonal trust · **Chiara Fini, Vanessa Era, Giovanna Cuomo, Ilenia Falcinelli, Manuel Mello, Anna M. Borghi:** Online vocal exchanges about abstract concepts foster automatic imitation between young conversational partners

11:30 – 12	**coffee break**
12– 13:15	Symposium: **"Stepping forward with immersive technology: virtual characters in applications"** Convernors: **Anne-Hélène Olivier, Katja Zibrek, Julien Pettré, Ana Zappa** · **Katja Zibrek:** Perception of virtual characters in VR · **Ana Zappa:** Using VR to explore the role of social cues and interaction in second language learning · **Anne-Hélène Olivier:** Immersive technologies and non-verbal interactions during locomotion: Validation, applications & future directions · **Julien Pettré:** Collecting "crowd" data with Virtual Reality
13:15 – 14:30	**Lunch Time**
14:30 – 15:15	**Session 8: Virtual Reality Applications and Psychological effects** *Chair: Marios Avraamides* · **Andrea Massironi, Marco Alessandro Petilli, Carlotta Lega, Simone Fontana, Emanuela Bricolo:** The impact of proactive attentional control on braking and lane keeping: A simulator study on driving performance · **Vasiliki Kondyli, Marcin Leszczynski, Mehul Bhatt:** Visual and auditory cueing direct visual predictions in immersive embodied locomotion · **Monika Dunin-Kozicka, Magdalena Szubielska, Paweł Fortuna, Natalia Kopiś-Posiej, Łukasz Kaczmarczyk, Julia Iwińska:** How does attending virtual art exhibitions influence creative behavior?
15:15 – 16	**Session 9: Spatial memory and frames of reference** *Chair: Francesco Ruotolo* · **Alessio Lustro, Francesca Conte, Benedetta Albinni, Clarissadebora Alterio, Francesca Costanzo, Oreste De Rosa, Rosa Di Filippo, Gennaro Ruggiero, Gianluca Ficca:** The role of sleep in the consolidation of different spatial memory representations · **Shaun Dordoy, Spencer Talbot, Rory Baxter, Alastair D. Smith:** Awareness of statistical learning in a large-scale virtual environment

	· **Renato Orti, Tina Iachini, Francesco Ruotolo, Michela Possenti, Eleonora D'Agostino, Gennaro Ruggiero:** Cognitive load in egocentric-allocentric switching processes: A pupillometry study
16 – 16:45	**Session 10: Developmental perspectives** *Chair: Gennaro Ruggiero* · **Veronica Debora Toro, Gianluigi Serio, Chiara Valeria Marinelli, Eugenio Trotta, Maria Bove, Diletta Decarolis, Paola Palladino, Tiziana Quarto:** The interaction between parenting style and cortisol levels on emotional words processing in primary school children: An ERP study · **Ramona Cardillo, Camilla Orefice, Nicolas Leanza, Irene C. Mammarella:** Exploring motor and visuospatial processing in developmental coordination disorder and nonverbal learning disability: A comparative analysis · **Nadja Schott, Carolin Franzki, Laura Scholz, Inaam El-Rajab:** Motor performance as a function of compromised motor imagery ability in individuals with Down Syndrome?
16:45	**Concluding remarks**